

Application No.: 10/658,962
Attorney Docket No.: 49321-008US0
First Applicant's Name: Mendy S. Maccabee
Application Filing Date: September 8, 2003
Final Office Action Dated: August 16, 2010
Date of Response: February 16, 2011
Examiner: Jennifer M. Kim

IN THE CLAIMS:

Applicants, pursuant to 37 C.F.R. § 1.121, submit the following amendments to the claims:

No claim amendments have been made by this Response.

1. (Previously presented) A method for treating a sinus disease or promoting sinus wound healing in a subject in need thereof by topically delivering a therapeutically effective amount of a composition comprising vitamin A to a sinus cavity of the subject, wherein the composition is delivered from an implant placed in the sinus cavity.

2.-5. (Cancelled)

6. (Previously presented) The method of claim 1, wherein the implant comprises a patch or packing material.

7. (Previously presented) The method of claim 1, wherein treating comprises affecting an indicator selected from the group consisting of increase in ciliated paranasal sinus mucosa; promotion of ciliated epithelial healing or regeneration; reduction of serous gland loss; reduction of laminar fibrosis; effect on mucociliary density change; and effect on sinus bone morphometry.

8. (Previously presented) The method of claim 1, wherein vitamin A is administered at a concentration range selected from the group consisting of about 0.001% to about 0.25% (w/w); about 0.005% to about 0.025% (w/w); about 0.01% to about 0.025% (w/w), and about 0.001% to about 0.05%.

9.-20. (Cancelled)

21. (Previously presented) The method of claim 1, wherein vitamin A is retinoic acid.

22.-23. (Cancelled)

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24. (Previously presented) The method of claim 1, wherein the sinus disease is acute sinus disease.

25. (Previously presented) The method of claim 1, wherein the sinus disease is chronic sinus disease.

26. (Previously presented) The method of claim 1, wherein the subject has undergone a sinus surgery.

27. (Previously presented) The method of claim 26, wherein the sinus surgery is selected from the group consisting of endoscopic sinus surgery, ethmoidectomy, endoscopic frontal sinus surgery, frontal sinusotomy, FESS (functional endoscopic sinus surgery), maxillary sinusotomy, open frontal sinus surgery, polypectomy, reduction removal of inferior turbinate, reduction removal of middle turbinate, septoplasty, sphenoidotomy, and tumor removal.

28. (Previously presented) The method of claim 1, wherein the composition is a depot formulation.

29. (New) The method of claim 1, wherein the implant comprises a medium selected from the group consisting of aqueous or non-aqueous gels, solutions, ointments, salves, lotions, unguents, coatings, impregnations of packing material or sponge material or strip gauze, and combinations thereof.